

## CLAIMS

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1. A method for serving a web page, comprising the steps of:
- 5 processing a given file into XML compliant code;
- translating the XML compliant code into an object model representation
- having at least one custom tag;
- processing the object model representation to generate executable code; and
- invoking the executable code to generate the web page.
- 10 2. The method as described in Claim1 wherein the step of processing the object model representation includes the steps of: parsing the object model representation to identify a custom tag; and
- upon identifying a custom tag, invoking a handler that converts the custom tag into a given representation.
- 15 3. The method as described in Claim2 wherein the given representation is script code.
4. The method as described in Claim2 wherein the handler is a stylesheet
- 20 handler.
5. The method as described in Claim4 wherein the step of invoking the handler comprises:
- loading a stylesheet; and

passing the stylesheet and the object model representation to a processor.

6. The method as described in Claim2 wherein the handler is a Java handler.

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7. The method as described in Claim6 wherein the step of invoking the handler comprises:

loading a Java object;

calling a process method on the Java object; and

10 replacing the custom tag with the given representation.

8. The method as described in Claim1 further including the step of registering the custom tag together with data identifying a handler prior to processing the flat file.

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9. The method as described in Claim1 wherein the executable code is a servlet.

10. The method as described in Claim1 wherein the object model representation is a tree data structure.

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11. A method of serving a web page, comprising the steps of: registering a set of custom tags;

upon a given occurrence, processing a flat file into XML compliant code;

5 translating the XML compliant code into a document object model having a subset of the set of custom tags;

processing the document object model to generate a servlet;

compiling the servlet into executable code; and

invoking the executable code to generate the web page.

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12. The method as described in Claim 11 wherein the given occurrence is a first access of the web page.

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13. The method as described in Claim 11 wherein the document object model is a tree structure.

14. The method as described in Claim 13 wherein the step of processing the document object model includes the steps of:

parsing the tree structure to identify each custom tag; and

20 upon identifying each custom tag, invoking a handler that converts the custom tag into given script code.

15. The method as described in Claim 14 wherein the handler applies a XSL stylesheet to generate the given script code.



17. A computer program product in a computer-readable medium for managing the serving of a web page from a server, comprising:

- 5 means operative upon a given occurrence for processing a flat file into XML compliant code;
- means for translating the XML compliant code into a document object model having a set of custom tags; and
- means for processing the document object model to generate servlet code that may be compiled and invoked to generate the web page.

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18. The computer program product as described in Claim 17 further including means for registering a superset of custom tags.

19. The computer program product as described in Claim 17 wherein the means for processing comprises:
- 15 means for parsing the tree structure to identify each custom tag; and
- means responsive to identification of a custom tag for invoking a handler that converts the custom tag into given script code.

- 20 20. The computer program product as described in Claim 19 wherein the handler applies a XSL stylesheet to generate the given script code.

21. The computer program product as described in Claim 19 wherein the handler executes a Java object to generate the given script code.

5 a processor;  
an operating system;  
a server program;  
a registry of custom tags;  
means operative upon a given occurrence for processing a flat file into XML compliant  
code;  
10 means for translating the XML compliant code into a document object model having a  
set of custom tags;  
means for processing the document object model to generate servlet code;  
means for compiling and class loading the servlet code; and  
means for invoking the servlet code to generate the web page.  
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23. A web page, generated by:
- processing a given file into XML compliant code;
  - translating the XML compliant code into an object model representation
- 5 having at least one custom tag;
- processing the object model representation to generate executable code; and
  - invoking the executable code.

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